

Product Name :
Rub Proofness Tester

Product Code :
FOOTWEAR SUK-AS03LAB003



Description :

Rub Proofness Tester

Technical Specification :

- Material
Metal
- Power Source
electronic
- Weight
20-50 Kilograms (kg)
- Usage
determination of fastness of color of light

- Supply Ability :
100 Unit Per Month

The rub proofness tester is used for determination of fastness of colour of light leathers to wet and dry rubbing and for measuring the transfer of colour to the material with which it is rubbed. The test specimen is rubbed with a rotating circular felt pad pressing against it under a specified force, and the number of revolutions of the pad required to produce certain specified effects is determined.

This equipment can also be used for assessing the degree of damage to a material during mild wet abrasion imitating the scuffing action of a damp hose on footwear insole during wear. A rotating wet circular felt pad, covered with a worsted fabric under a specified contact force rubs against the test specimen. Overall damage to the test specimen is assessed by measuring its mass loss after a specified numbers of rubs.

The GLOBE Rub Proofness Tester is constructed on a rigid fabricated frame. Rubbing is carried out by rotating a felt pad against a test specimen placed on an anvil. The felt pad is held in a rotating holder with the help of three sharp needles and can be raised and lowered with the help of a lever to bring it in contact with the test specimen.

Motion to the felt pad is given by an AC synchronous motor and belt-pulley arrangement. The sleeve in which the rod carrying the rotating holder slides is mounted on two ball bearings to give it a long and trouble-free running life. Weights are provided to apply the specified forces on felt pads for both dry and wet rubbing.

The test specimens are normally kept on a flat platform under the rotating felt pad. However, for testing of finished products, provision has been made to replace the flat platform by a small circular anvil that can accommodate various finished products like shoulders of garments and shoes.

A four-digit electronic counter with re-set counts the number of abrading rubs of the felt pad. The counter operates only when the felt pad is lowered on to the test specimen.

The tester is finished in shore blue matalic painting and bright chromium or zinc plating to give it a corrosion resistant finish.

Technical Specifications

Rotating Speed	
Weight of Pad	
Motor	Asynchronous motor - 20 kg cm
Counting	4 digit electronic counter
Related Standards	
IS 10115-1971	Micro-Biological Colour Fastness and Microscopical Tests for Leather
LF 9:	Determination of Fastness to Rubbing (Wet and

Dry) of Light Leathers
IS 2062 - 1962 Method for the Determination of Colorfastness of Leathers
IS 2063 - 1962 Method for the Determination of Fastness to Rubbing (Wet and Dry) of Light Leathers
IS 2064 - 1962 Method for the Determination of Scuffing by Mild Circular Abrasion



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